

1                   **SHEET CUTTER FOR MAKING BUSINESS CARDS**

2    BACKGROUND OF THE INVENTION

3    1. Field of the Invention

4           The present invention relates to a paper cutter, and more particularly to a  
5   business card sheet cutter.

6    2. Description of Related Art

7           It is very common for a person to give out a business card printed with  
8   job and company details to a recipient. In manufacturing, a large sheet is printed  
9   with multiple business cards arranged in several rows and columns, and cut into  
10   individual business cards by a sheet cutter.

11          A conventional sheet cutter for the manufacturing of business cards can  
12   only cut the sheet longitudinally into several strips of business cards. Thus, the  
13   strips must be further cut manually or by other cutting means into the individual  
14   business cards, thus it is very inconvenient to manufacture the business card by  
15   using the conventional sheet cutter.

16          Therefore, the invention provides a sheet cutter to mitigate or obviate the  
17   aforementioned problems.

18   SUMMARY OF THE INVENTION

19          The main objective of the present invention is to provide a sheet cutter  
20   for making business cards which can longitudinally and transversally cut the  
21   sheet into individual business cards.

22          Other objectives, advantages and novel features of the invention will  
23   become more apparent from the following detailed description when taken in  
24   conjunction with the accompanying drawings.

## BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a perspective view of a sheet cutter in accordance with the invention;

Fig. 2 is a sectional side view of the sheet cutter in accordance with the invention;

Fig. 3 is a perspective view of a seat of the sheet cutter;

Fig. 4 is a partial perspective view of a transversal blade assembly of the sheet cutter;

Fig. 5 is a partial top view of the sheet cutter;

Fig. 6 is a partially exploded perspective view of a knob of the sheet cutter; and

Fig. 7 is a schematically top view showing business cards cut by the sheet cutter in accordance with the invention.

## DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

With reference to Figs. 1-3, a sheet cutter for making business cards in accordance with the invention is composed of an upper cover (10), a seat (20), a transversal blade assembly (30), and a longitudinal blade assembly (40).

The upper cover (10) has a front side, a rear side and two side portions (not numbered). A paper dispenser (12) is formed between the two side portions and the rear side of the upper cover (10), and an adjusting stop (14) is formed on the paper dispenser (12). A U-shaped notch (not numbered), viewed from the top, is defined between the two side portions and at the front side of the upper cover (10). A shield (11) is formed between the paper dispenser (12) and the U-shaped notch, and a gap (13) is defined between the shield (11) and the paper dispenser

1 (12). An axle hole (15) is transversally defined through one of the side portions  
2 and two positioning recesses (16) are defined at two diametrically opposite sides  
3 of the axle hole (15), as shown in Fig. 6.

4 With reference back to Figs. 1-3, the seat (20) is mounted beneath the  
5 upper cover (10), and has two ears (23) mounted at two sides of the seat (20). A  
6 first shaft (24) and a second shaft (241) are transversally installed between the  
7 ears (23) and revealed from the U-shaped notch. Two walls (211) are  
8 respectively formed at rear ends of the ears (23) and a slot (21) is transversally  
9 defined between the walls (211) and parallel to the shafts (24, 241). A groove (22)  
10 is transversally defined between the slot (21) and the shafts (24, 241).

11 The transversal blade assembly (30) has a blade seat (not numbered)  
12 movably mounted on the shafts (24, 241). The blade seat has a first shaft hole (32)  
13 and a second shaft hole (33) defined therethrough, and the shafts (24, 241)  
14 respectively extend through the shaft holes (32, 33). A handle (31) is formed at a  
15 top of the blade seat. A circular blade (34) is mounted at a rear side of the blade  
16 seat and received in the groove (22) and abuts an inner wall of the groove (22), as  
17 specially shown in Figs. 2 and 4.

18 With reference to Figs. 1, 2, 3, and 5, the longitudinal blade assembly  
19 (40) has an upper axle (41) and a lower axle (42) mounted between the walls  
20 (211), wherein the upper axle (41) is concealed by the shield (11) and mounted  
21 above the slot (21), and the lower axle (42) is received in the slot (21). Multiple  
22 ring blades (43) are provided in pairs outside the upper axle (41) and the lower  
23 axle (42). Multiple sleeves (44) are provided in pairs outside the upper axle (41)  
24 and the lower axle (42) and respectively between each two pairs of the ring

1 blades (43). The ring blades (43) and sleeves (44) on the upper axle (41)  
2 respectively about the corresponding ring blades (43) and sleeves (44) on the  
3 lower axle (42).

4 With reference to Figs. 3, 6 and 7, a knob (45) is provided at an end of  
5 the upper axle (41), and has a lug (451) formed at an exterior surface thereof and  
6 a pole (452) formed at an interior surface thereof and engaged in one of the  
7 positioning recesses (16).

8 With reference to Figs. 1 and 2, in making business cards, a sheet (50) is  
9 disposed on the paper dispenser (12) and the adjusting stop (14) is adjusted to  
10 position the sheet (50). A front end of the sheet (50) will pass through the gap (13)  
11 and be located between the first axle (41) and the second axle (42). When a user  
12 turns the knob (45) to rotate the first axle (41), the second axle (42) is driven by  
13 the first axle (41) to rotate in an opposed direction, and the sheet (50) is pulled by  
14 the sleeves (44) and longitudinally cut by the ring blades (43).

15 With reference to Fig. 6, when the pole (452) is engaged in the other  
16 positioning recess (16), the sheet (50) is just cut with a length corresponding to a  
17 width of a business card. Then, the user can hold the handle (31) to move the  
18 transversal blade assembly (30) along the first shaft (24) and the second shaft  
19 (241), and the sheet (50) is transversally cut by the circular blade (34) to  
20 complete the business cards with desired sizes.

21 In the preferred embodiment, the ring blades (43) and the sleeves (44)  
22 can be moved along the first and second axles (41, 42) to adjust the distances  
23 between ring blades (43) corresponding to the width of the individual business  
24 cards.

1           Therefore, according to the present invention, using the sheet cutter can  
2   longitudinally and transversally cut individual business cards in one time, which  
3   is very convenient to make the business cards.

4           It is to be understood, however, that even though numerous  
5   characteristics and advantages of the present invention have been set forth in the  
6   foregoing description, together with details of the structure and function of the  
7   invention, the disclosure is illustrative only, and changes may be made in detail,  
8   especially in matters of shape, size, and arrangement of parts within the  
9   principles of the invention to the full extent indicated by the broad general  
10   meaning of the terms in which the appended claims are expressed.